

Lab in the Community

Science Lecture Series Returns

In conjunction with LLNL's 50th Anniversary Event Week, LLNL's popular Community Science Lecture Series will return for another season on Monday, September 16 with a presentation by filmmaker and film restoration specialist Peter Kuran. Kuran, President and CEO of Visual Concept Entertainment, was awarded a 2002 Scientific and Engineering Academy Award by the Scientific and Technical Committee of the Academy of Motion Picture Arts and Sciences for the development of a color film restoration process called Restored Color Image (RCI).

Kuran developed RCI in 1995 during the production of his noted documentary "Trinity and Beyond" (The Atomic Bomb Movie), one of five documentaries he has produced on the subject of nuclear testing.

Kuran's presentation will be held in the Livermore High School auditorium located at 600 Maple Street in Livermore. It will begin at 7:00 p.m. The Community Science Lecture Series is free to the general public, and seating is on a first-come basis. For more information on the upcoming series go to <http://www.llnl.gov/llnl/06news/Community/lecture.html>



Peter Kuran



Lawrence Livermore
National Laboratory

Making History
Making a Difference

1952-2002



University of
California



National Nuclear
Security
Administration

Around the Lab

Graboske Named Acting Deputy Director for Science and Technology

At the request of Laboratory Director Michael Anastasio, Hal Graboske has assumed the role of Acting Deputy Director for Science and



U.S. Department
of Energy

Technology. Graboske, former associate director for Chemistry and Materials Science, will delay his retirement to take on this senior management position recently vacated by Jeff Wadsworth.

Graboske joined the Laboratory as a physicist in 1966, and he has served in a variety of management positions in both the Physics and Chemistry & Materials Science directorates. For the past month, he has been a special assistant to Director Anastasio.

“As you know, this position is a key one for our Laboratory,” Director Anastasio said in a statement. “Hal will be responsible for oversight of our scientific and technical programs and for the quality of science and technology Laboratory-wide.” For more on Graboske’s appointment see **Recent Headlines** below.

Science & Technology

Laboratory Testing and Developing Radiation Detection Systems

LLNL researchers have tested 19 commercially available handheld detection devices that are being used or could be used by various government agencies to detect nuclear materials. Information about the performance and capabilities of these devices will be furnished to different government agencies.

This project, funded by the National Nuclear Security Administration, is designed to help prevent the smuggling of nuclear materials inside the millions of cargo containers that enter the United States each year.

“Our aim is to evaluate the various types of equipment that could be used for monitoring air, ocean and intermodal cargo containers for nuclear materials,” said Bill Dunlop, leader of the Laboratory’s Proliferation

Let us hear from you

Contacts:

Community
Relations Manager
Barry Schrader
(925) 423-3567,
schrader2@llnl.gov,

.....
Community
Relations Officer
Scott Wilson
(925) 423-3125,
wilson101@llnl.gov

.....
Community
Relations Officer
Christine Mixan
(925)-422-3138,
mixan1@llnl.gov.

.....
Visitors Center
Coordinator
Linda Lucchetti
(925) 4225815
lucchetti1@llnl.gov

Prevention and Arms Control Program. "One of our areas of expertise is understanding what goes into a nuclear weapon, so we know how to test equipment to find the materials for which we're searching", said Dunlop.

For more on this testing see **Recent Headlines** below.

CAMS Studying Coral to Learn About Climate Change

LLNL's Tom Guilderson recently took part in an expedition in the Gulf of Alaska gathering coral, sea-water and sediment samples that will be used to measure elemental and isotopic profiles in deep-sea corals in order to better understand climate-ecosystem variability in the gulf. The water taken will be examined for carbon isotope content and will help determine how much anthropogenic (fossil fuel) carbon has made it into the ocean in this region.



Tom Guilderson of the Center for Accelerator Mass Spectrometry, displays pieces of bamboo coral and bubblegum coral taken from the ocean floor near the Gulf of Alaska.

Guilderson, who works at the Laboratory's Center for Accelerator Mass Spectrometry, was joined by colleagues from Stanford University and UC Berkeley for this National Oceanographic and Atmospheric Administration supported study.

For more on this study see **Recent Headlines** below.

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Lab Visitors

Notables Visit the Laboratory

- Former astronaut and Ohio Senator John Glenn and family members enjoyed a sneak preview of some of the tour stops that will be offered to invited guests during LLNL's 50th

Anniversary event week.

Glenn is scheduled to return to the Laboratory on September

18 for a talk to employees and to take part in the presentation of the 50th Anniversary time capsule.

- Undersecretary of State John Bolton recently met with Laboratory Director Michael Anastasio and Non-Proliferation, Arms Control and International Security associate director Wayne Shotts to receive an overview of LLNL's work in the area of national security and counterterrorism. Bolton also toured the National Ignition Facility and Center for Global Security Research during his visit.



Former astronaut and Ohio Senator John Glenn came to the Lab Monday for a sneak peek at some of the tours that will be offered during the 50th anniversary event week. Glenn and his family toured NARAC, ASCI, NIF and other sites. Here NIF Programs AD George Miller shows a NIF target to Glenn's grandson, Daniel; daughter-in-law Karen Fagerstrom; Glenn, and his wife Anna (from left).

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About Us

Come Tour the Laboratory

The Laboratory's Public Affairs Office is now offering a new, expanded tour of the Laboratory that includes stops at the Biology & Biotechnology Research Program, the National Atmospheric Release Advisory Center, and the Advanced Simulation and Computing Initiative building. Also, until the end of September the tour will include a visit to the LLNL Computer History Museum.

The two-hour tour is offered Tuesdays and Thursdays starting at 9:00 a.m. U.S. citizens must register at least two weeks in advance. Non-U.S. citizens must register at least sixty days in advance. Special tours can be arranged for groups of eight or more with two weeks' advance notice. All tours are free. For more information on the new tour program go to www.llnl.gov/pao. For more on the new tour program see **Recent Headlines** below.

Please note that the Visitors Center will be closed for remodeling through mid-September.

Laboratory 50th Anniversary Website

A Website featuring a comprehensive timeline of the Laboratory's history is now available. The timeline, arranged by decade, includes a variety of pictures, stories, news articles and quicktime movies on the people and events that have shaped the Laboratory since its inception. To view this fact-filled Website go to www.llnl.gov/timeline.

We Want Your Ideas

Your ideas on how we can improve this newsletter, or our Laboratory programs, are welcomed.

Please forward any comments or questions you may have to
Scott Wilson
(925) 423-3125,
wilson101@llnl.gov.



“Technology Today”

"Technology Today," a television program designed to help inform our neighbors about activities at Lawrence Livermore National Laboratory, airs each Monday evening at 8:30 on the Tri-Valley's community television station, Channel 30. If you have a topic that you'd like to see discussed on "Technology Today," please call (925) 424-4822.

Recent Headlines

You may be interested in these recent articles from the Laboratory's weekly newspaper, Newslines. These stories can be viewed by visiting the Public Affairs Website at <http://www.llnl.gov/llnl/06news/Employee/2001index.html> Call or e-mail us if you would like more information.

- New photon source beams to life (August 2, 2002)
- Engineering's Randy Pico earns scholarship award (August 2, 2002)
- Coral clues to climate change (August 9, 2002)
- Merced College professors take Laboratory research experience to the classroom (August 9, 2002)
- 'Daughter' of Peregrine joins fight against cancer (August 9, 2002)
- Changing science culture benefits from work of Sigma Xi (August 9, 2002)
- New tour program offers community inside view of the Laboratory (August 9, 2002)
- Radiation detectors tested (August 16, 2002)
- Hal Graboske appointed acting deputy director for Science and Technology (August 16, 2002)
- Banner turnout for student poster symposium (August 16, 2002)
- Five ASCI Alliance universities recruit Laboratory summer students (August 16, 2002)

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- Deeper understanding of sequestration (Aug. 23, 2002)
- JGI looks to African frogs for clues on evolution, human gene function (August 23, 2002)

Let us hear from you

You can reach Community Relations staff directly by contacting either Community Relations Manager Barry Schrader (925) 423-3567/e-mail: schrader2@llnl.gov, or Community Relations Officers Scott Wilson (925) 423-3125/e-mail: wilson101@llnl.gov and Christine Mixan (925)-422-3138/e-mail: mixan1@llnl.gov.

Your ideas on how we can improve this newsletter, or our Laboratory programs, are welcomed. Please forward any comments or questions you may have to Scott Wilson (925) 423-3125/e-mail: wilson101@llnl.gov. Also, visit our Website at <http://www.llnl.gov> where you will find the latest Laboratory news, publications and other helpful information by clicking on "News and Public Affairs."

